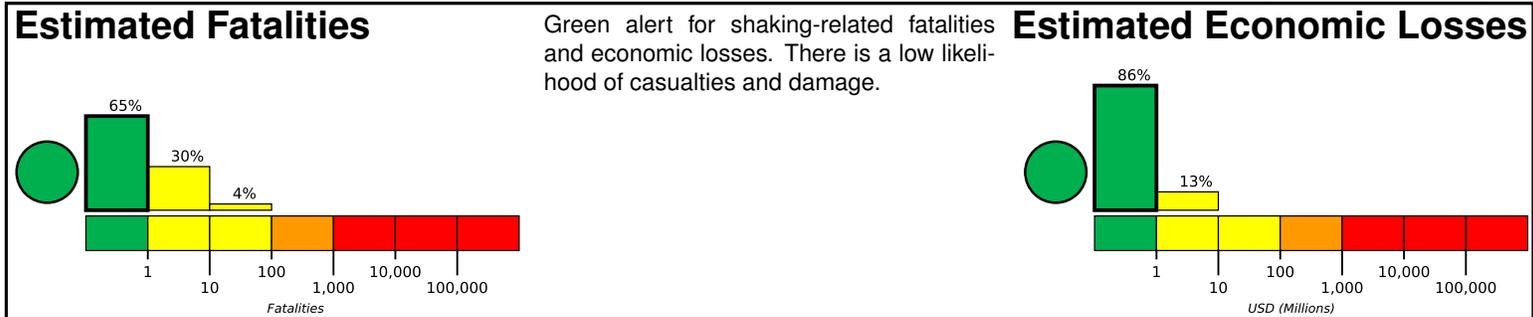


# M 5.4, 123 km WNW of Aykol, China

Origin Time: 2024-01-23 01:18:41 UTC (Tue 07:18:41 local)  
Location: 41.2734° N 78.7259° E Depth: 10.0 km

**PAGER Version 1**

Created: 2 days, 3 hours after earthquake

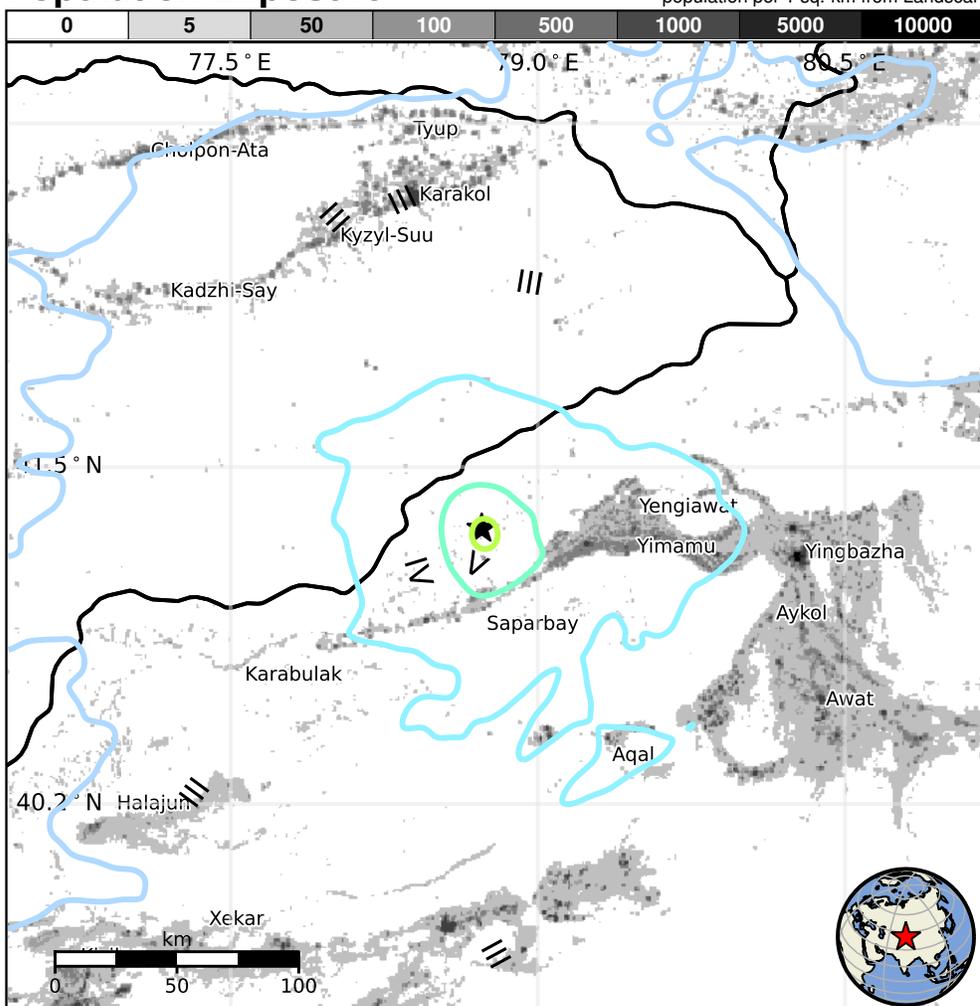


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,415k	395k	13k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and log construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-02-25	238	5.3	V(656k)	5
1983-02-13	326	6.2	VI(17k)	1
2003-02-24	234	6.3	VIII(3k)	261

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Yamansu	<1k
IV	Yengiwat	<1k
IV	Saparbay	<1k
IV	Yimamu	<1k
IV	Akqi	<1k
IV	Wushi	<1k
III	Aksu	340k
III	Kyzyl-Suu	17k
III	Tyup	13k
III	Karakol	70k
III	Cholpon-Ata	19k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000lt2y#pager>

Event ID: us7000lt2y